



Product Datasheet

ENGLISH

Stock No: 144-5340


RC Component Test Tweezers

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Specifications

Technical

Insulation	Class2, Double insulation.
Maximun voltage between any terminal and earth ground	50V DC/AC RMS
Display	6000 counts LCD display
Polarity	Automatic, (-) negative polarity indication.
Over-range	"OL" mark indication.
Low battery indication	A battery  symbol is displayed when the battery voltage drops below 2.4V.
Operating supply current	Normal operation --- 2.5mA In sleep mode ---- 0.6uA
Battery life	Normal operation --- about 60hour
Measurement rate	2 times per second nominal.
Auto power off	Meter automatically shuts down after approx. 10 minutes of inactivity.
Operating environment	-10 to 50°C (14 to 122°F); at <70% relative humidity.
Storage temperature	-30 to 60°C (-4 to 140°F); at <80% relative humidity.
Relative humidity	90%(0 to 30°C);75%(30 to 40°C); 45%(40 to 50°C)
For inside use, max height	Operating:3000m, Storage:10,000m
Power	Two 1.5V battery, AG13/LR44
Accuracy	Accuracy is given at 18 to 28°C (65 to 83°F), less than 70%RH

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
600.0mV	0.1mV	±0.5% of rdg ±2 digits
6.000V	1mV	
50.00V	10mV	

Input Impedance: 10M Ω .

Maximum Input: 50VDC or 50VAC rms.

AC Voltage (Auto-ranging)

Range	Resolution	Accuracy
600.0mV	0.1mV	±0.8% of rdg ±5 digits
6.000V	1mV	±0.8% of rdg ±3 digits
50.00V	10mV	

Input Impedance: 10M Ω .

AC Response: 50Hz 60Hz

Maximum Input: 50VDC or 50VAC rms.

Resistance [Ω] (Auto-ranging)

Range	Resolution	Accuracy
600.0 Ω	0.1 Ω	±1.5% of rdg ±8 digits
6.000k Ω	1 Ω	
60.00k Ω	10 Ω	
600.0k Ω	100 Ω	
6.000M Ω	1k Ω	±2.5% of rdg ±8 digits
60.00M Ω	10k Ω	

Note: When auto scan mode is set, the 60.00M Ω range is omitted.

Capacitance (Auto-ranging)

Range	Resolution	Accuracy
6.000nF	1pF	$\pm 5.0\%$ of rdg ± 20 dgts
60.00nF	10pF	$\pm 5.0\%$ of rdg ± 7 dgts
600.0nF	0.1nF	$\pm 3.0\%$ of rdg ± 5 dgts
6.000 μ F	1nF	
60.00 μ F	10nF	
600.0 μ F	0.1 μ F	$\pm 10\%$ of rdg ± 10 dgts
6.000mF	0.001mF	
60.00mF	10.00mF	

Note: The 6.000mF and 60.00mF both range is not available for auto scan mode.

Diode Test

Test current	Resolution	Accuracy
1Ma typical/Open MAX 3V	1mV	$\pm 10\%$ of rdg ± 5 digits

Open circuit voltage: MAX 3VDC

Audible continuity

Audible threshold: Less than 30Ω Test current MAX 1.5mA

Overload protection: 1000VDC or AC rms.